There are n children standing in a line. Each child is assigned a rating value given in the

integer array ratings.

You are giving candies to these children subjected to the following requirements:

Each child must have at least one candy.

• Children with a higher rating get more candies than their neighbors.

Return the minimum number of candies you need to have to distribute the candies to the

children.

Example 1:

Input: ratings = [1,0,2]

Output: 5

Explanation: You can allocate to the first, second and third child with 2, 1, 2 candies

respectively.

Example 2:

Input: ratings = [1,2,2]

Output: 4

Explanation: You can allocate to the first, second and third child with 1, 2, 1 candies

respectively.

The third child gets 1 candy because it satisfies the above two conditions.

Constraints:

n == ratings.length

• 1 <= n <= 2 * 10⁴

• 0 <= ratings[i] <= 2 * 10⁴